1. (Previously presented) A computerized method of updating a content description represented as a tree comprising:

receiving, by a decoder, a fragment update unit for the content description, the fragment update unit comprising a navigation path and an update command;

selecting a set of nodes in the tree using the navigation path; and

applying the update command to the set of nodes.

2. (Original) The computerized method of claim 1, wherein the navigation path is a context-based address that selects the set of nodes based on their content.

3. (Original) The computerized method of claim 2, wherein the content-based address is expressed as an XML XPath location path when the content description is coded in XML extensible markup language).

4. (Original) The computerized method of claim 1, wherein the fragment update unit comprises a fragment payload and applying the update command comprises updating the set of nodes in the tree with the fragment payload.

5. (Original) The computerized method of claim 4, wherein the fragment update unit further comprises a plurality of fragment payloads and updating the set of nodes comprises updating each one of the set of nodes with a different one of the plurality of fragment payloads in a predetermined order.

6. (Original) The computerized method of claim 5, wherein the predetermined order is determined by an ordering of all nodes in the tree.

7. (Original) The computerized method of claim 6, wherein the ordering of all nodes in the tree is selected from the group consisting of pre-order, post-order and infix order.

8. (Original) The computerized method of claim 4, wherein the fragment payload is selected from the group consisting of a fragment, a fragment reference, and an attribute.

9. (Original) The computerized method of claim 1, wherein the update command is selected from the group consisting of add, delete, and replace commands.

10. (Original) The computerized method of claim 1 further comprising:
    sending the fragment update unit as part of an access unit.

11. (Original) The computerized method of claim 1 further comprising:
    selecting the update command;
    formatting a fragment payload if required by the update command;
    calculating the navigation path; and
    creating the fragment update unit from the navigation path, the update command,
and the fragment payload if required.

12. (Original) The computerized method of claim 11, wherein formatting a fragment payload comprises including an attribute identification tag when an attribute is to be updated.

13. (Original) The computerized method of claim 11, wherein the fragment payload is not required when a fragment is to be deleted.

14-22. (Cancelled)

23. (Currently amended) A computer-readable storage medium having executable instructions to cause a computer to execute a method comprising:
    receiving a fragment update unit for a content description represented as a tree,
the fragment update unit comprising a navigation path and an update command;
    selecting a set of nodes in the tree using the navigation path; and
    applying the update command to the set of nodes.

24. (Currently amended) The computer-readable storage medium of claim 23, wherein the navigation path is a context-based address that selects the set of nodes based on their content.

25. (Currently amended) The computer-readable storage medium of claim 24, wherein the content-based address is expressed as an XML XPath location path when the content description is coded in XML (extensible markup language).

26. (Currently amended) The computer-readable storage medium of claim 23, wherein the fragment update unit comprises a fragment payload and applying the update command comprises updating the set of nodes in the tree with the fragment payload.

27. (Currently amended) The computer-readable storage medium of claim 26, wherein the fragment update unit further comprises a plurality of fragment payloads and updating the set of nodes comprises updating each one of the set of nodes with a different one of the plurality of fragment payloads in a predetermined order.

28. (Currently amended) The computer-readable storage medium of claim 27, wherein the predetermined order is determined by an ordering of all nodes in the tree.

29. (Currently amended) The computer-readable storage medium of claim 28, wherein the ordering of all nodes in the tree is selected from the group consisting of pre-order, post-order and infix order.

30. (Currently amended) The computer-readable storage medium of claim 26, wherein the fragment payload is selected from the group consisting of a fragment, a fragment reference, and an attribute.

31. (Currently amended) The computer-readable storage medium of claim 23, wherein the update command is selected from the group consisting of add, delete, and replace commands.

32. (Currently amended) The computer-readable storage medium of claim 23, wherein the method further comprises:

sending the fragment update unit as part of an access unit.

33. (Currently amended) The computer-readable storage medium of claim 23, wherein the method further comprises:

selecting the update command;

formatting a fragment payload if required by the update command;

calculating the navigation path; and

creating the fragment update unit from the navigation path, the update command, and the fragment payload if required.

34. (Currently amended) The computer-readable storage medium of claim 33, wherein formatting a fragment payload comprises including an attribute identification tag when an attribute is to be updated.

35. (Currently amended) The computer-readable storage medium of claim 33, wherein the fragment payload is not required when a fragment is to be deleted.

36-44. (Cancelled)

45. (Original) A system comprising:

a processor coupled to a bus;

a memory coupled to the processor through the bus;

a communications interface coupled to the processor through the bus, and further coupled to a communications medium; and

a decode process executed by the processor from the memory to cause the processor to receive, through the communications interface, a fragment update unit for a content description represented as a tree, wherein the fragment update unit comprises a navigation path and an update command, to select a set of nodes in the tree using the navigation path, and to apply the update command to the set of nodes.

46. (Original) The system of claim 45, wherein the fragment update unit comprises a fragment payload and the decode process further causes the processor to update the set of nodes in the tree with the fragment payload when applying the update command.

47. (Original) The system of claim 46, wherein the fragment update unit further comprises a plurality of fragment payloads and the decode process further causes the processor to update each one of the set of nodes with a different one of the plurality of fragment payloads in a predetermined order to update the set of nodes.

48. (Original) The system of claim 46, wherein the fragment payload is selected from the group consisting of a fragment, a fragment reference, and an attribute.

49. (Original) The system of claim 45, wherein the update command is selected from the group consisting of add, delete, and replace commands.

50-56. (Cancelled)